



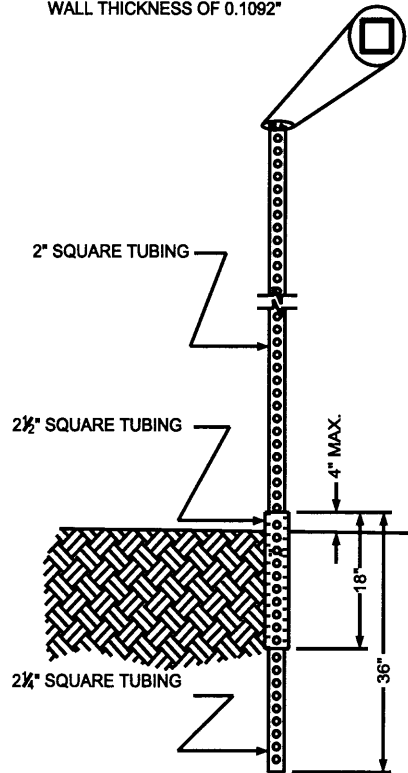
DelDOT

**Guide for Fabrication and Installation
of
Traffic Control Devices**

April 2008

BREAK-AWAY ASSEMBLY

SQUARE POST SHALL NOT BE
LESS THAN 2" x 2" WITH A
WALL THICKNESS OF 0.1092"



N.T.S.

NOTES

1. SQUARE TUBES ARE TO BE FORMED FROM GALVANIZED SHEET STRUCTURAL (PHYSICAL) QUALITY, ASTM A 446, GRADE A, COATING DESIGNATION G 90, REGULAR SPANGLE, OR HOT ROLLED CARBON SHEET STEEL STRUCTURAL (PHYSICAL) QUALITY, ASTM A 570, GRADE 33.

A. NOMINAL OUTSIDE DIMENSION, (INCHES):

2 X 2	+/-	.008
2 1/4 X 2 1/4	+/-	.010
2 1/2 X 2 1/2	+/-	.010

- B. ALL FOUR SIDES ARE TO HAVE EVENLY SPACED 7/8" DIAMETER HOLES ON 1" CENTERS THE ENTIRE LENGTH OF THE TUBE.

- C. TOLERANCE ON HOLE SIZE IS +/- 1/64". TOLERANCE ON HOLE SPACING IS +/- 1/8" IN 20 FEET.

- D. STANDARD CORNER RADIUS SHALL BE 5/32" +/- 1/64".

- E. THE FASTENERS TO BE SUPPLIED UNDER THIS SPECIFICATION SHALL BE 5/16" GRADE 5 UNC CORNER BOLTS WITH CADMIUM OR ZINC PLATING, INSTALLATION OF SIGNS SHALL BE WITH 3/8" X 2 1/2" BOLT WITH LOCKNUT AND WASHER.

2. THE CONTRACTOR SHALL PROVIDE AND INSTALL PVC (POLYVINYL CHLORIDE) SLEEVES (4" INSIDE DIAMETER MINIMUM, 6" INSIDE DIAMETER MAXIMUM) IN PROPOSED CONCRETE SIDEWALKS, ISLANDS, AND MEDIANS FOR FUTURE TRAFFIC SIGN POSTS AS DIRECTED BY THE ENGINEER. THE LOWER END OF THE SLEEVE SHALL BE SET ON THE TOP OF THE SOIL.

3. DEVELOPMENT SIGNS SHALL BE DISPLAYED ON TWO POSTS.

- A. DEVELOPMENT SIGNS SHALL BE INSTALLED WITHIN THE RIGHT-OF-WAY OF THE HIGHWAY ON WHICH THE ENTRANCE(S) IS (ARE) LOCATED. THE SIGNS SHALL BE PLACED WITHIN 500 FEET OF THE CENTERLINE OF THE ENTRANCE(S).

4. ALL SUBDIVISIONS SHALL BE REQUIRED TO HAVE ONE SPEED LIMIT 25 AND ONE WATCH CHILDREN SIGN, IN ADDITION TO THE STANDARD STOP SIGN AND STREET BLADES. THE SPEED LIMIT 25 SIGN MAY BE MOUNTED BELOW THE WATCH CHILDREN SIGN IF A 12' POST IS USED.

5. FLAT PANEL SIGN MATERIALS:

STOP SIGN FACES SHALL BE FABRICATED OF TYPE "IX" ENCLOSED LENS REFLECTIVE SHEETING. ALL OTHER SIGNS SHALL BE A MINIMUM TYPE "III" ENCAPSULATED LENS (HIGH INTENSITY) REFLECTIVE SHEETING AND SHALL BE APPLIED TO SIGN GRADE ALUMINUM SHEET (MINIMUM THICKNESS +/- 0.080").

6. THE CAESAR RODNEY DEVELOPMENT SIGN IS THE CURRENT STANDARD. FOR THE SPECIFICATIONS, SEE STANDARD NO. S-5.

DELAWARE



DEPARTMENT OF TRANSPORTATION

RECOMMENDED

CHIEF TRAFFIC ENGINEER

9/28/09
DATE

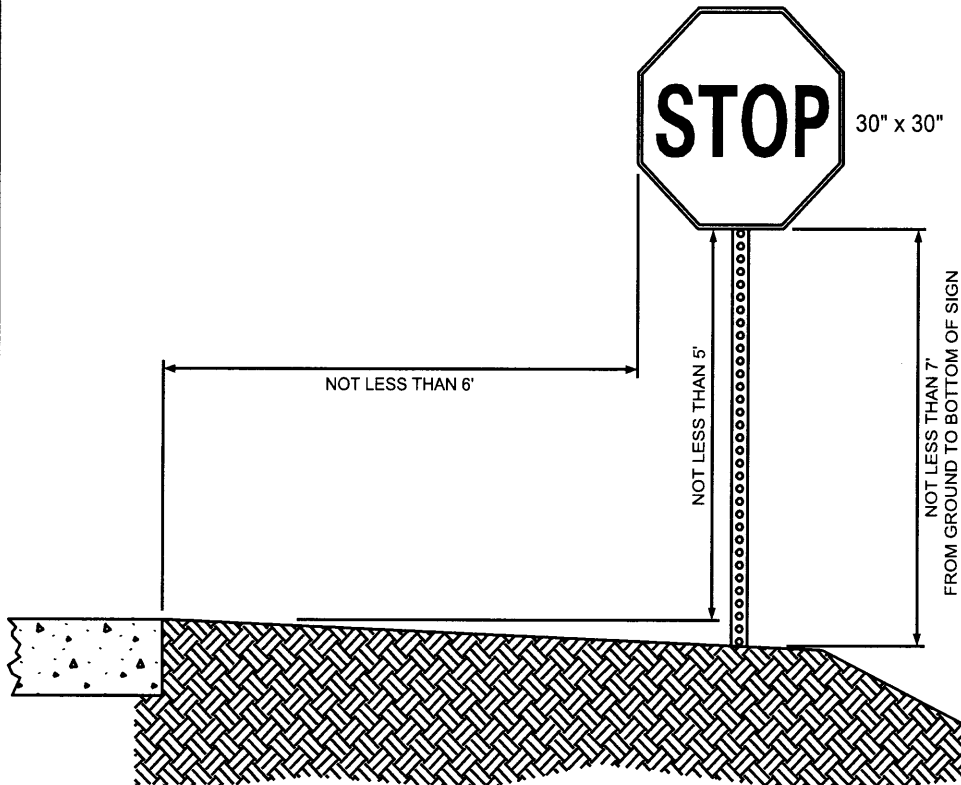
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CHIEF ENGINEER

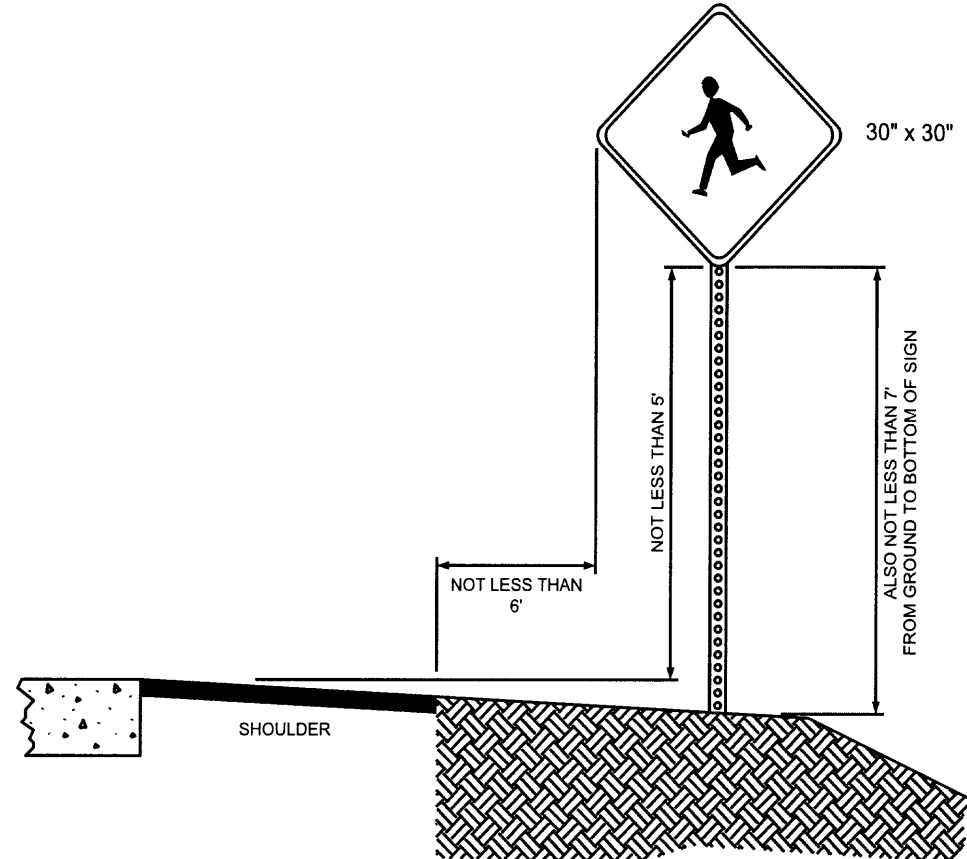
9/29/09
DATESIGN POST SPECIFICATIONS
& GENERAL NOTES

STANDARD NO. S-1

ROADSIDE SIGN (RURAL DISTRICT)



ROADSIDE SIGN (RURAL DISTRICT)



PLAN VIEW SYMBOL

N.T.S.

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Natalie Barnhart
CHIEF ENGINEER

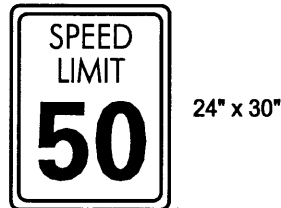
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ROADSIDE SIGN PLACEMENT

STANDARD NO.

S-2

ROADSIDE SIGN (BUSINESS OR RESIDENTIAL DISTRICT)



24" x 30"

NOT LESS THAN 7'

2'

WARNING SIGN WITH SPEED ADVISORY PLATE (RURAL DISTRICT)



30" x 30"



18" x 18"

NOT LESS THAN 4'

ALSO NOT LESS THAN 7' FROM GROUND TO BOTTOM OF SIGN

ALL ADVISORY SIGNS ARE TO BE PLACED AT BASE OF ROAD SIGN.

NOT LESS THAN 6'

PLAN VIEW SYMBOL

N.T.S.



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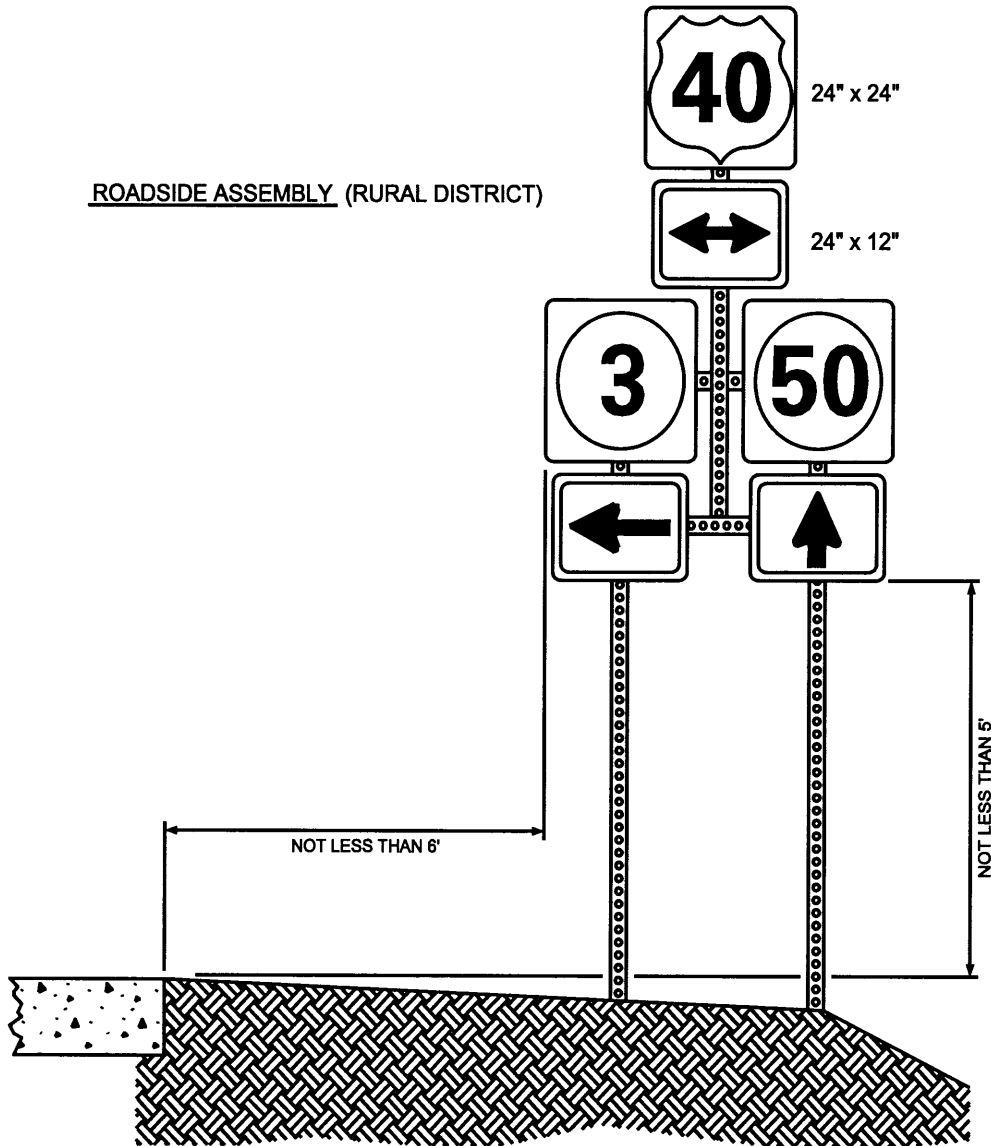
Natalie Baumgart
CHIEF ENGINEER

9/29/09
DATE

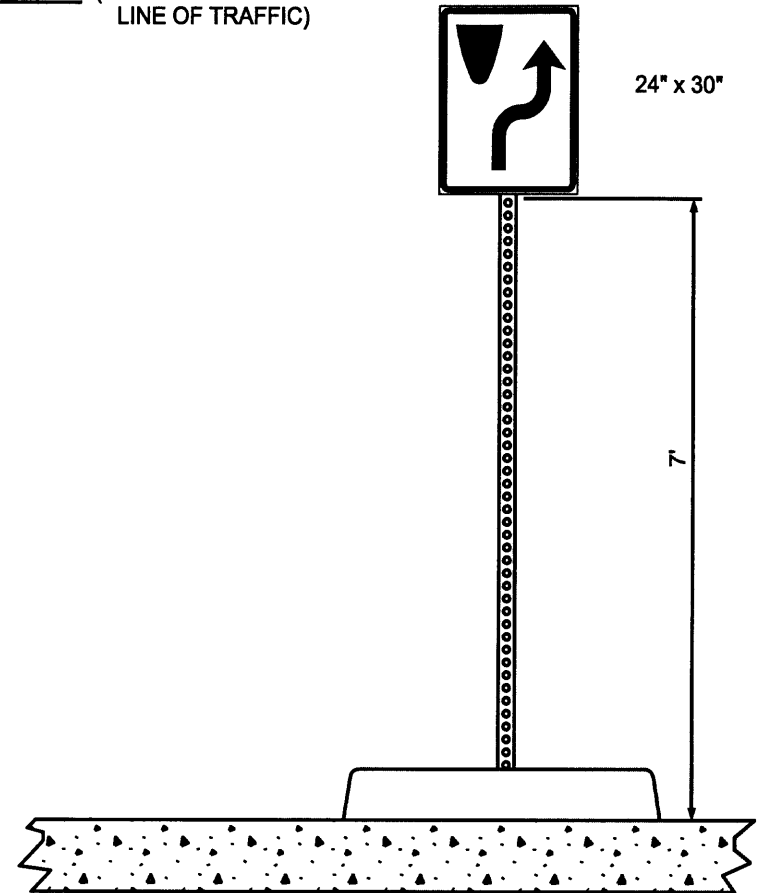
ROADSIDE SIGN PLACEMENT

STANDARD NO. S-3

ROADSIDE ASSEMBLY (RURAL DISTRICT)



WARNING SIGN (ON ISLAND IN THE LINE OF TRAFFIC)



PLAN VIEW SYMBOL



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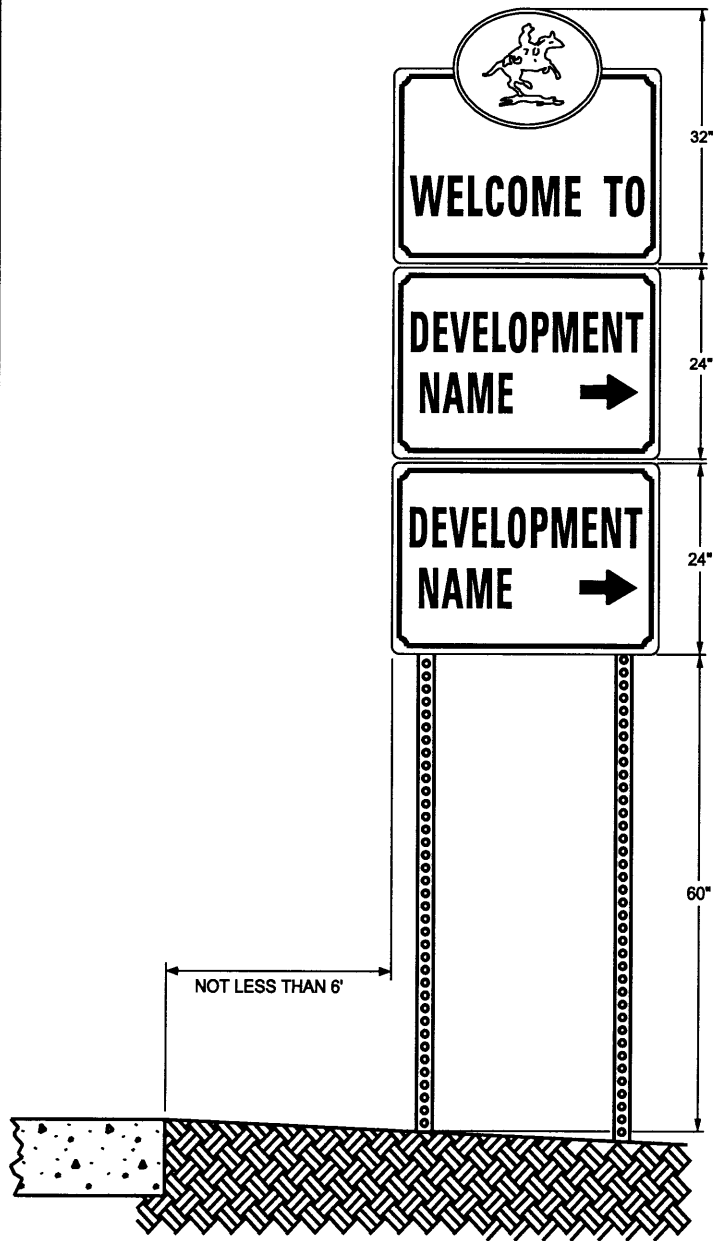
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Natalie Barnhart
CHIEF ENGINEER

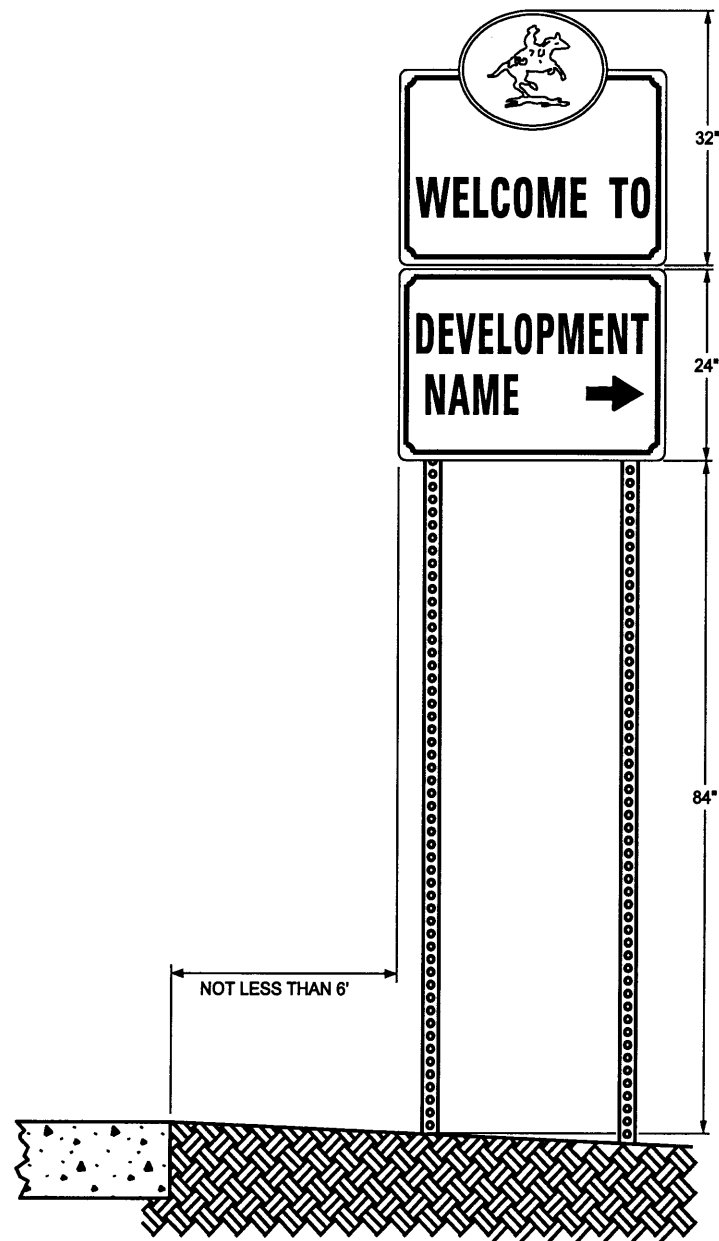
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ROADSIDE SIGN PLACEMENT

STANDARD NO. S-4



N.T.S.

**SPECIFICATIONS**

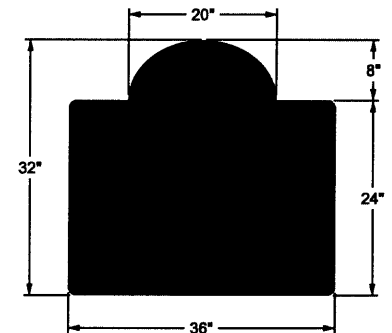
SIGN BACKGROUND WILL BE COVERED WITH HIGH INTENSITY TYPE III REFLECTIVE MATERIAL BLUE (3M SCOTCHLITE 3875 OR EQUIVALENT).

CAESAR RODNEY BACKGROUND WILL BE HIGH INTENSITY TYPE III YELLOW (3M SCOTCHLITE 3871) AND RIDER AND BORDER WILL BE BLUE (3M SCOTCHLITE 3875 OR EQUIVALENT).

SIGN LEGEND AND BORDER WILL BE HIGH INTENSITY TYPE III SILVER (3M SCOTCHLITE 3870 OR EQUIVALENT).

LETTERING IS 5" HIGHWAY GOTHIC "C"

SIGNS BLANKS WILL BE MANUFACTURED FROM .080" COATED ALUMINUM.



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CHIEF TRAFFIC ENGINEER

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CHIEF ENGINEER

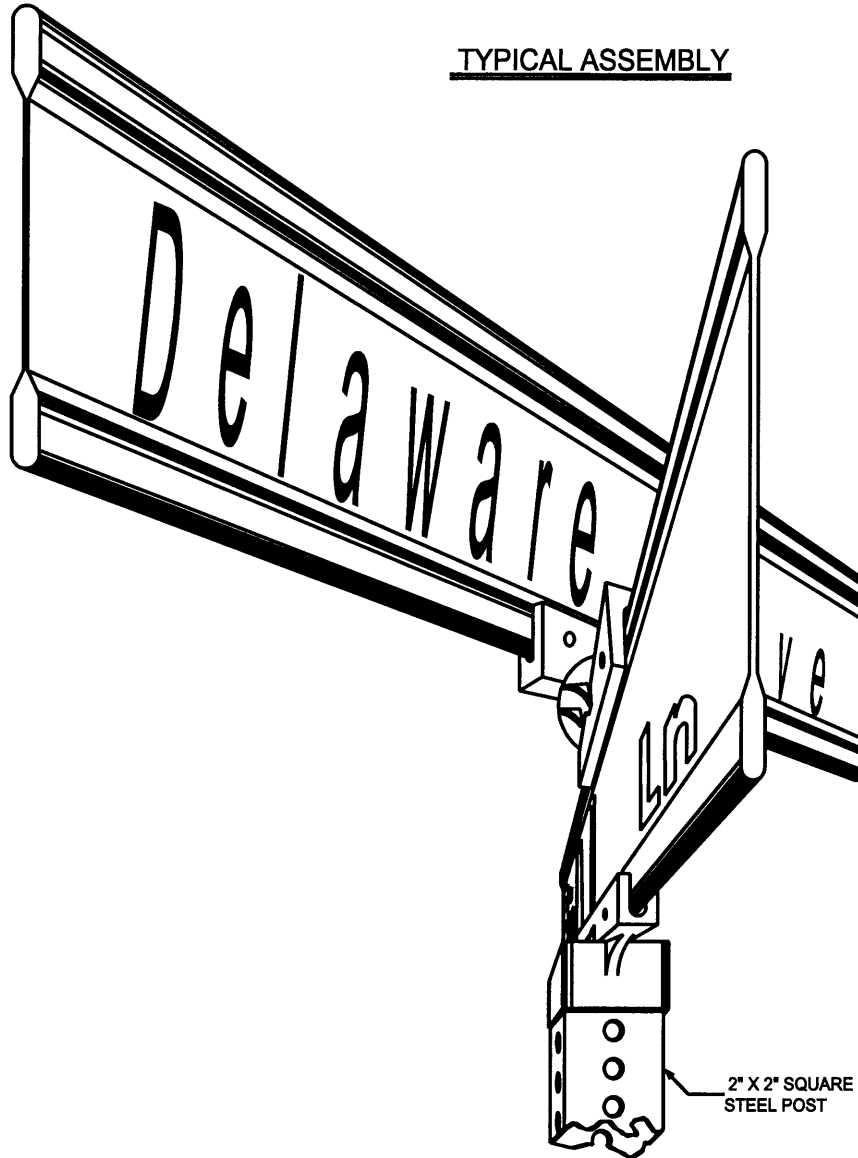
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DEVELOPMENT SIGNS

STANDARD NO.

S-5

TYPICAL ASSEMBLY



STREET OR ROAD NAME SIGNS

FOUR WAY ALUMINUM INTERSECTION SIGN
USING A 2" X 2" SQUARE POST AND
SILVER REFLECTORIZED LETTERS ON A
GREEN BACKGROUND OF REFLECTORIZED
SHEETING MOUNTED ON 6¾" ALUMINUM
SIGN PANEL BLADES. NAMES SHALL
BE 4" HIGH AND SUPPLEMENTAL LETTERING
(TYPE OF STREET) SHALL BE 2" HIGH.
ENGINEER GRADE GREEN WITH HIGH INTENSITY SILVER LEGEND

* SIGNS WITH 4" LETTERS ONLY
PERMISSABLE ON LOCAL ROADS AND
SUBDIVISIONS WITH SPEED LIMITS OF
25 MPH OR LESS.

2" X 2" SQUARE
STEEL POST

PLAN VIEW SYMBOL



N.T.S.

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CHIEF ENGINEER

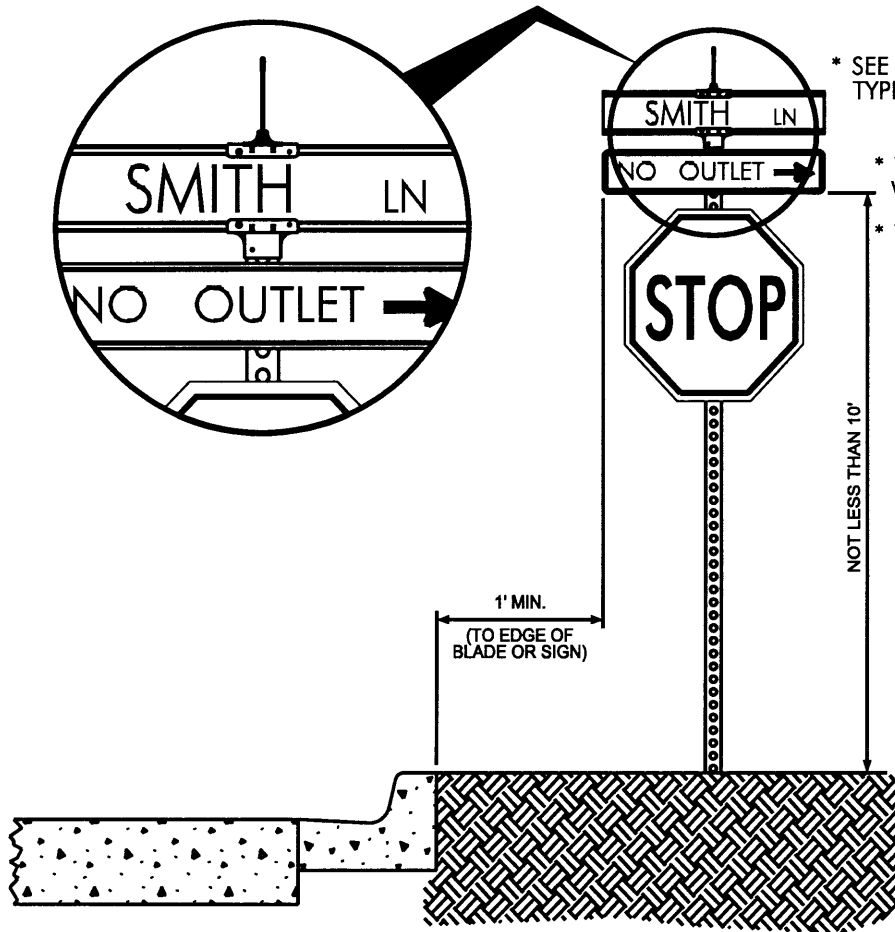
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TYPICAL ASSEMBLY OF
STREET BLADES

STANDARD NO.

S-6

TYPICAL INSTALLATION

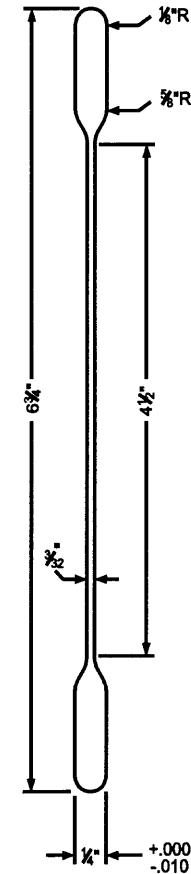


* SEE SHEET S-6 FOR
TYPICAL ASSEMBLY

* TYPICAL INSTALLATION FOR BOTH
W14-2'S IS BACK TO BACK

* W14-2a & W14-2b ARE 36" X 8"

SIGN PANEL BLADE



CROSS SECTION

ALUMINUM ALLOY NUMBER 6063-T6.
ALL SURFACES EXPOSED.
LETTERS SHALL BE HIGH INTENSITY
SILVER, BACKED WITH ENGINEER
GRADE GREEN.

PLAN VIEW SYMBOL



N.T.S.

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APPROVED

Natalie Barnhart
CHIEF ENGINEER

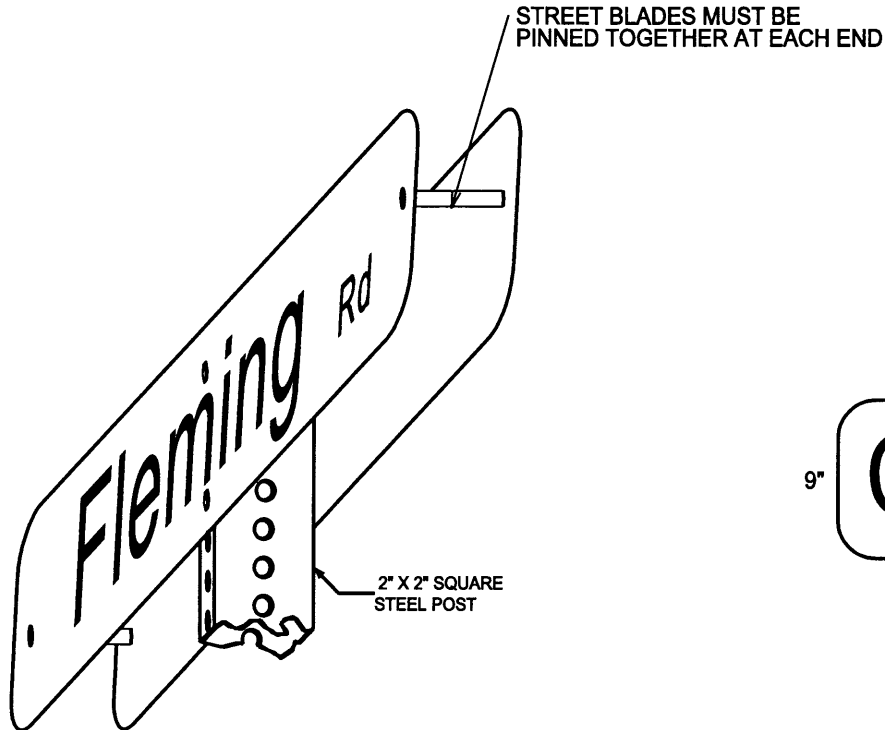
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BLADE SPECIFICATIONS &
TYPICAL INSTALLATION

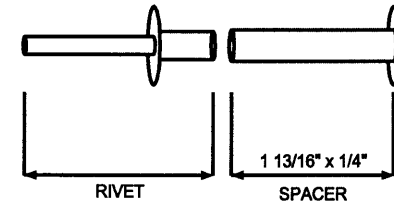
STANDARD NO.

S-7

TYPICAL ASSEMBLY



PIN ASSEMBLY



36" EXAMPLE



E/G GREEN-SILVER

NOTE: LETTERING ON GROUND MOUNTED STREET BLADES SIGNS SHOULD BE AT LEAST 6" HIGH CAPITAL LETTERS OR UPPER AND LOWER CASE.

CLEARVIEW FONT IS PREFERRED, BUT B-SERIES FONT IS ACCEPTABLE.

PLAN VIEW SYMBOL



N.T.S.

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CHIEF TRAFFIC ENGINEER

9/28/09
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TYPICAL ASSEMBLY OF
OVERSIZED STREET BLADES

STANDARD NO. S-8